PACE 5/9 "RCVD AT 12/27/2004 1:12:57 PM [Eastern Standard Time] " SVR:USPTO-EFXRF-1/1" DNIS:8729306 " CSID: " DURATION (mm-ss):04-50

Claim 7 (original): The method according to Claim 1, wherein the selected resources are function 2 calls to functions of one or more executable programs. Claim 8 (original): The method according to Claim 1, wherein the selected resources are Enterprise JavaBeans ("EJBs") and the permitted actions are methods on the EJBs. 2 Claim 9 (original): The method according to Claim 1, wherein the selected resources are servlets and the permitted actions are methods of the servlets. 2 Claim 10 (original): The method according to Claim 1, wherein the selected resources are Uniform Resource'Identifiers ("URIs") and the permitted actions are methods which reference the 2 3 URIs. Claim 11 (original): The method according to Claim 1, wherein the selected resources are 1 JavaServer Pages ("JSPs") and the permitted actions are methods referenced from the JSPs. 2 Claim 12 (original): The method according to Claim 1, wherein the selected resources are any resource that is expressible to the security system and the permitted actions are selected from a set 2 of actions that are permitted on those resources. Claim 13 (original): The method according to Claim 1, further comprising the steps of: receiving an access request for a particular one of the selected resources; 2 RSW920010125US1 -5-Serial No. 09/943,618 Amendments to the Claims Claim 1 (currently amended): A method of improving security policy administration and enforcement using a role-permission model, comprising steps of: identifying one or more groups of permitted actions on selected resources; . 3 assigning a name to each identified group: defining each assigned name to a security system as a security object; and 6 associating subjects with each assigned name. Claim 2 (original): The method according to Claim 1, wherein the assigned name is a role name. Claim 3 (original): The method according to Claim 1, wherein the selected resources are 2 executable methods. Claim 4 (original): The method according to Claim 1, wherein the selected resources are columns 2 of a database table Claim 5 (original): The method according to Claim 1, wherein the selected resources are rows of 2 Claim 6 (original): The method according to Claim 1, wherein the selected resources are files and the permitted actions are file access operations.

I Claim 7 (original): The method according to Claim 1, wherein the selected resources are function 2 calls to functions of one or more executable programs. 1 Claim 8 (original): The method according to Claim 1, wherein the selected resources are 2 Enterprise JavaBeans ("EJBs") and the permitted actions are methods on the EJBs. 1 Claim 9 (original): The method according to Claim 1, wherein the selected resources are servlets 2 and the permitted actions are methods of the servlets. 1 Claim 10 (original): The method according to Claim 1, wherein the selected resources are 2 Uniform Resource Identifiers ("URIs") and the permitted actions are methods which reference the 3 URIs. Claim 11 (original): The method according to Claim 1, wherein the selected resources are ì 2 JavaServer Pages ("JSPs") and the permitted actions are methods referenced from the JSPs. 1 Claim 12 (original): The method according to Claim 1, wherein the selected resources are any 2 resource that is expressible to the security system and the permitted actions are selected from a set 3 of actions that are permitted on those resources. 1 . Claim 13 (original): The method according to Claim 1, further comprising the steps of: 2 receiving an access request for a particular one of the selected resources;

3	determining one of more roles which are required for accessing the particular resource,
4	determining an identity of a source of the access request;
5	for each of the required roles, until obtaining a successful result or exhausting the required
6	roles, determining whether the identity of the source is associated with the required role; and
7	authorizing access to the particular resource only if the successful result was obtained.
1	Claim 14 (original): The method according to Claim 13, wherein the step of determining the one
2	or more roles further comprises consulting a collection created from the identified permitted
3	actions on the particular resource.
1	Claim 15 (currently amended): A system for improving security policy administration and
2	enforcement in a computing network using a role-permission model, comprising:
3	means for identifying one or more groups of permitted actions on selected resources;
4	means for assigning a name to each identified group;
<b>5</b>	means for defining each assigned name to a security system as a security object; and
6	means for associating subjects with each assigned name.
I .	Claim 16 (original): The system according to Claim 15, further comprising:
<b>;</b>	means for receiving an access request for a particular one of the selected resources;
	means for determining one or more roles which are required for accessing the particular
	resource;
	means for determining an identity of a source of the access request;
	Serial No. 09/943,618 -6- RSW920010125US1

access	request:

7

9

10

11 12

6

7

8

9

10

1

2

3

5

6

7

8

9

1

2

5

6

for each of the required roles, until obtaining a successful result or exhausting the required roles, computer readable program code means for determining whether the identity of the source is associated with the required role; and

computer readable program code means for authorizing access to the particular resource only if the successful result was obtained.

for each of the required roles, until obtaining a successful result or exhausting the required roles, means for determining whether the identity of the source is associated with the required role; and

means for authorizing access to the particular resource only if the successful result was obtained.

Claim 17 (currently amended): A computer program product for improving security policy administration and enforcement in a computing network using a role-permission model, the computer program product embodied on one or more computer readable media and comprising:

computer readable program code means for identifying one or more groups of permitted actions on selected resources;

computer readable program code means for assigning a name to each identified group;

computer readable program code means for defining each assigned name to a security

system as a security object; and

computer readable program code means for associating subjects with each assigned name.

Claim 18 (original): The computer program product according to Claim 17, further comprising:

computer readable program code means for receiving an access request for a particular one of the selected resources;

computer readable program code means for determining one or more roles which are required for accessing the particular resource;

computer readable program code means for determining an identity of a source of the

access request;

7

8

9

10

11

12

for each of the required roles, until obtaining a successful result or exhausting the required roles, computer readable program code means for determining whether the identity of the source is associated with the required role; and

computer readable program code means for authorizing access to the particular resource only if the successful result was obtained.